

H Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2016, Hawaii
 (Trillion Btu)

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Year	Coal	Natural Gas excluding Supplemental Gaseous Fuels ^a	Fossil Fuels							Fossil Fuels (as commingled)		
			Petroleum									
			Distillate Fuel Oil	HGL ^b	Jet Fuel ^c	Motor Gasoline excluding Fuel Ethanol ^a	Residual Fuel Oil	Other ^d	Total	Total	Natural Gas including Supplemental Gaseous Fuels ^a	Motor Gasoline including Fuel Ethanol ^a
1960	0.0	0.0	5.2	0.4	23.5	18.0	30.0	17.5	94.6	94.6	0.0	18.0
1965	0.0	0.0	9.4	0.9	42.3	21.4	45.5	9.9	129.3	129.3	0.0	21.4
1970	0.0	0.0	9.9	3.6	80.1	29.9	63.8	8.2	195.4	195.4	0.0	29.9
1971	0.0	0.0	10.0	3.7	91.5	30.8	67.3	7.1	210.4	210.4	0.0	30.8
1972	0.0	0.0	10.3	3.6	91.3	32.6	71.3	7.6	216.6	216.6	0.0	32.6
1973	0.0	0.0	10.7	3.6	92.9	34.7	72.8	8.2	222.8	222.8	0.0	34.7
1974	0.0	0.0	11.4	3.6	83.6	34.4	69.9	7.6	210.6	210.6	0.0	34.4
1975	0.0	0.0	11.3	3.3	83.5	35.5	70.8	8.6	212.9	212.9	0.0	35.5
1976	0.0	0.0	13.6	3.9	79.8	36.9	74.6	9.5	218.4	218.4	0.0	36.9
1977	0.0	0.0	16.7	3.3	83.6	38.9	79.8	9.7	232.0	232.0	0.0	38.9
1978	0.0	0.0	20.8	2.7	83.6	40.1	78.9	9.7	235.8	235.8	0.0	40.1
1979	0.0	0.0	38.3	5.9	85.9	39.4	76.5	9.4	255.4	255.4	0.0	39.4
1980	0.0	0.0	34.9	5.8	79.2	38.0	83.0	8.8	249.6	249.6	3.0	38.0
1981	0.0	0.0	35.1	4.9	56.2	37.7	82.7	6.6	223.2	223.2	2.8	37.7
1982	1.1	0.0	26.5	7.6	41.6	38.1	83.6	6.3	203.8	204.9	2.8	38.1
1983	1.0	0.0	13.6	7.6	62.5	38.0	76.4	7.3	205.4	206.4	2.7	38.0
1984	0.9	0.0	15.9	0.5	72.6	39.5	80.4	7.1	216.1	217.1	2.4	39.5
1985	1.1	0.0	26.4	0.5	74.4	39.9	82.9	8.0	232.1	233.2	2.7	39.9
1986	0.4	0.0	27.0	0.5	57.0	41.4	90.1	11.8	227.6	228.0	2.7	41.4
1987	1.6	0.2	21.5	0.6	64.4	43.0	85.5	14.0	228.9	230.6	2.8	43.0
1988	1.2	0.0	32.8	0.7	67.2	44.5	106.5	16.4	268.0	269.3	2.8	44.5
1989	0.8	0.0	33.5	0.7	74.4	46.0	109.1	16.4	280.1	280.9	2.9	46.0
1990	0.7	0.0	37.8	0.7	71.1	45.5	119.9	17.8	292.8	293.5	3.0	45.5
1991	1.1	0.0	42.0	0.8	62.6	47.1	98.1	16.0	266.6	267.6	2.9	47.1
1992	6.8	0.0	36.2	2.5	56.5	46.6	112.3	18.5	272.5	279.2	2.9	46.6
1993	15.6	0.0	34.5	3.2	50.4	47.4	87.0	16.9	239.5	255.0	2.8	47.4
1994	15.7	0.0	36.8	5.8	53.7	48.9	95.1	17.9	258.2	273.9	2.9	48.9
1995	19.9	0.0	33.7	4.7	56.4	49.1	91.0	17.6	252.5	272.4	2.9	49.1
1996	20.4	0.0	28.8	4.7	57.2	48.9	79.6	19.5	238.8	259.2	2.8	48.9
1997	20.5	0.0	27.0	0.9	58.0	48.8	76.8	19.1	230.6	251.1	2.7	48.8
1998	18.2	0.0	25.9	3.2	56.7	48.7	83.3	15.9	233.6	251.9	2.8	48.7
1999	17.7	0.0	30.9	1.4	53.7	46.7	81.4	15.9	230.0	247.7	2.9	46.7
2000	17.7	0.1	29.6	2.1	53.5	48.4	85.0	16.6	235.3	253.0	3.0	48.4
2001	17.8	0.1	35.1	2.2	50.4	50.6	83.5	18.0	239.9	257.9	2.9	50.6
2002	16.6	0.1	47.1	2.9	57.8	54.3	80.1	15.5	257.6	274.4	2.9	54.3
2003	18.0	0.1	47.7	1.9	72.1	55.1	75.9	16.7	269.5	287.7	2.9	55.1
2004	17.9	0.2	50.2	1.8	75.9	55.9	82.4	16.8	282.9	301.0	2.9	55.9
2005	16.5	0.2	42.5	1.7	92.8	55.9	83.0	18.0	293.9	310.6	2.9	57.1
2006	16.1	0.2	38.8	1.8	86.9	58.5	92.3	17.1	R 295.5	311.8	2.9	59.9
2007	17.1	0.2	53.8	1.6	72.3	56.8	102.6	16.7	303.7	321.0	3.0	58.5
2008	18.1	0.1	31.8	2.6	60.7	51.5	78.1	14.6	239.3	257.5	2.8	54.7
2009	17.1	0.2	35.0	3.1	52.7	51.6	77.9	19.0	R 239.3	R 256.5	2.7	55.3
2010	17.1	0.2	39.6	3.2	55.8	48.0	74.7	R 20.6	R 241.9	R 259.2	2.7	50.7
2011	16.1	0.2	36.5	3.5	62.1	R 53.2	73.6	R 20.7	R 249.5	R 265.7	2.7	56.5
2012	16.6	0.2	35.2	3.4	64.1	50.7	67.4	R 19.3	R 240.1	R 256.9	2.8	53.6
2013	15.3	0.2	33.0	3.2	64.2	51.4	65.2	R 20.6	R 237.6	R 253.1	2.9	54.4
2014	17.2	0.2	25.2	3.4	73.3	51.5	62.1	R 19.2	R 234.5	R 251.9	2.8	54.8
2015	15.6	0.2	27.3	2.9	76.1	R 51.9	61.3	R 19.1	R 238.5	R 254.3	2.9	R 55.9
2016	16.4	0.2	26.2	3.1	74.3	52.8	60.9	17.8	234.9	251.5	3.0	56.8

^a Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other

petroleum products" category. See Technical Notes, Section 4.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2016, Hawaii (Continued)
(Trillion Btu)

Year	Nuclear Electric Power	Hydro-electric Power ^{e,f}	Renewable Energy							Net Interstate Flow of Electricity ^k	Net Electricity Imports ^l	Total ^f			
			Biomass				Geo-thermal ^f	Solar ^{f,j}	Wind						
			Wood and Waste ^{f,g}	Fuel Ethanol ^h	Losses and Co-products ⁱ	Total ^f									
1960	0.0	0.3	0.0	NA	NA	0.0	0.0	NA	NA	0.3	0.0	0.0	94.9		
1965	0.0	1.1	0.2	NA	NA	0.2	0.0	NA	NA	1.3	0.0	0.0	130.6		
1970	0.0	1.1	0.4	NA	NA	0.4	0.0	NA	NA	1.6	0.0	0.0	197.0		
1971	0.0	0.9	0.3	NA	NA	0.3	0.0	NA	NA	1.3	0.0	0.0	211.7		
1972	0.0	0.9	0.6	NA	NA	0.6	0.0	NA	NA	1.5	0.0	0.0	218.1		
1973	0.0	1.0	0.5	NA	NA	0.5	0.0	NA	NA	1.5	0.0	0.0	224.3		
1974	0.0	1.0	0.6	NA	NA	0.6	0.0	NA	NA	1.5	0.0	0.0	212.1		
1975	0.0	0.9	0.6	NA	NA	0.6	0.0	NA	NA	1.5	0.0	0.0	214.4		
1976	0.0	1.0	0.7	NA	NA	0.7	0.0	NA	NA	1.7	0.0	0.0	220.1		
1977	0.0	0.9	0.5	NA	NA	0.5	0.0	NA	NA	1.4	0.0	0.0	233.4		
1978	0.0	0.9	0.3	NA	NA	0.3	0.0	NA	NA	1.1	0.0	0.0	237.0		
1979	0.0	0.9	0.3	NA	NA	0.3	0.0	NA	NA	1.3	0.0	0.0	256.7		
1980	0.0	0.9	11.9	NA	NA	11.9	0.0	NA	NA	12.8	0.0	0.0	262.5		
1981	0.0	0.8	12.7	(s)	0.0	12.7	0.0	NA	NA	13.6	0.0	0.0	236.8		
1982	0.0	0.9	12.4	(s)	0.0	12.4	0.0	NA	NA	13.4	0.0	0.0	218.3		
1983	0.0	0.9	14.0	0.0	0.0	14.0	0.0	NA	0.0	14.9	0.0	0.0	221.3		
1984	0.0	0.9	14.3	0.0	0.0	14.3	0.2	0.0	0.0	15.4	0.0	0.0	232.4		
1985	0.0	0.9	14.2	0.0	0.0	14.2	0.2	0.0	0.0	15.3	0.0	0.0	248.6		
1986	0.0	0.8	16.3	0.0	0.0	16.3	0.2	0.0	0.0	17.3	0.0	0.0	245.3		
1987	0.0	0.9	17.8	0.0	0.0	17.8	0.1	0.0	0.0	18.8	0.0	0.0	249.5		
1988	0.0	0.8	19.4	0.0	0.0	19.4	0.2	0.0	0.0	20.4	0.0	0.0	289.7		
1989	0.0	0.6	27.0	0.0	0.0	27.0	0.1	0.8	0.3	28.9	0.0	0.0	309.8		
1990	0.0	0.8	25.9	0.0	0.0	25.9	(s)	0.9	0.3	27.9	0.0	0.0	321.4		
1991	0.0	0.7	25.4	0.0	0.0	25.4	(s)	1.0	0.4	27.5	0.0	0.0	295.2		
1992	0.0	0.6	24.9	0.0	0.0	24.9	(s)	1.0	0.2	26.8	0.0	0.0	306.0		
1993	0.0	0.6	24.4	0.0	0.0	24.4	1.6	1.1	0.2	27.8	0.0	0.0	282.9		
1994	0.0	1.4	20.7	0.0	0.0	20.7	1.9	1.1	0.2	25.4	0.0	0.0	299.3		
1995	0.0	1.0	19.8	0.0	0.0	19.8	2.4	1.2	0.2	24.6	0.0	0.0	297.0		
1996	0.0	1.1	19.1	0.0	0.0	19.1	2.5	1.2	0.2	24.1	0.0	0.0	283.3		
1997	0.0	1.2	17.4	0.0	0.0	17.4	2.5	1.2	0.2	22.5	0.0	0.0	273.6		
1998	0.0	1.2	16.5	0.0	0.0	16.5	2.4	1.3	0.2	21.7	0.0	0.0	273.5		
1999	0.0	1.2	17.0	0.0	0.0	17.0	2.2	1.3	0.2	21.8	0.0	0.0	269.4		
2000	0.0	1.1	15.2	0.0	0.0	15.2	2.7	1.3	0.2	20.4	0.0	0.0	273.4		
2001	0.0	1.0	7.9	0.0	0.0	7.9	2.1	1.2	(s)	12.4	0.0	0.0	270.2		
2002	0.0	1.0	7.5	0.0	0.0	7.5	0.7	1.2	(s)	10.5	0.0	0.0	284.8		
2003	0.0	0.9	9.3	0.0	0.0	9.3	1.8	1.3	(s)	13.3	0.0	0.0	301.0		
2004	0.0	0.9	9.3	0.0	0.0	9.3	2.1	1.3	0.1	13.8	0.0	0.0	314.8		
2005	0.0	1.0	8.4	1.2	0.0	9.6	2.2	1.3	0.1	14.1	0.0	0.0	324.7		
2006	0.0	1.2	8.5	1.4	0.0	9.9	2.1	1.4	0.8	15.4	0.0	0.0	327.2		
2007	0.0	0.9	8.0	1.7	0.0	9.7	2.3	1.5	2.4	16.8	0.0	0.0	337.7		
2008	0.0	0.8	8.6	3.2	0.0	11.8	2.3	1.8	2.4	19.1	0.0	0.0	276.6		
2009	0.0	1.1	8.6	R 3.7	0.0	R 12.3	1.6	2.0	2.5	R 19.5	0.0	0.0	276.0		
2010	0.0	0.7	7.7	2.8	0.0	R 10.5	2.0	2.3	2.5	R 18.0	0.0	0.0	R 277.1		
2011	0.0	0.9	7.3	3.2	0.0	10.6	2.2	2.8	3.3	19.8	0.0	0.0	R 285.5		
2012	0.0	1.1	6.7	2.9	0.0	9.6	2.5	4.3	3.6	21.1	0.0	0.0	R 277.9		
2013	0.0	0.7	8.2	3.0	0.0	11.2	2.6	6.1	4.8	R 25.4	0.0	0.0	R 278.5		
2014	0.0	0.9	7.7	3.3	0.0	11.0	2.4	7.5	5.5	27.4	0.0	0.0	R 279.3		
2015	0.0	1.1	R 7.6	R 4.0	0.0	11.5	2.2	R 8.3	5.7	R 28.9	0.0	0.0	R 283.2		
2016	0.0	0.8	8.5	4.0	0.0	12.5	2.4	9.8	5.9	31.4	0.0	0.0	282.9		

^e Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

ⁱ Losses and co-products from the production of fuel ethanol.

^j Solar thermal and photovoltaic energy.

^k Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state

during the year. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

^l Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.